

Message Text

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63
ORIGIN NRC-07

INFO OCT-01 EA-10 ISO-00 ERDA-07 OES-05 /030 R

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USNRC/ISP:JDLAFLEUR, JR
EA/J-CDUNKERLEY

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R 192323Z MAY 75
FM SECSTATE WASHDC
TO AMEMBASSY TOKYO

UNCLAS STATE 116712

ATTN: HENOCH, SCIREP:ERDA

E.O. 11652: N/A
TAGS: TECH, JA
SUBJ: STATUS OF KEPCO'S MIHAMA UNIT 1

1. SUMMARY:

MIHAMA UNIT 1 SHUT DOWN SPRING 1973 FOR REPLACEMENT OF TUBING IN STEAM GENERATORS. REQUEST STATUS OF UNIT 1 AND STEAM GENERATOR OPERATING DETAILS. END SUMMARY.

2. KEPCO'S UNIT 1, A WESTINGHOUSE PWR INCORPORATING STEAM GENERATORS FABRICATED BY COMBUSTION ENGINEERING COMPANY, SHUT DOWN APRIL-MAY 1973 BECAUSE OF STEAM GENERATOR TUBE LEAKS CAUSED BY SLUDGE DEPOSITS AT FLOW STARVED REGIONS OF THE SECONDARY COOLANT SYSTEM SIDE OF THE STEAM GENERATOR HEADERS. THE ORIGIN OF THE SLUDGE IS BELIEVED TO BE PRECIPITATES OF PHOSPHATES USED TO INHIBIT CORROSION OF THE SECONDARY COOLANT SYSTEM. THE PLANT WAS SHUT DOWN TO RETUBE THE STEAM GENERATORS.

3. DID UNIT 1 RETART USING PHOSPHATES TO INHIBIT SECONDARY COOLANT SYSTEM?

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4. IF NOT, DID UNIT 1 RESTART USING VOLATILE TREATMENT TO INHIBIT SECONDARY COOLANT SYSTEM CORROSION; THAT IS, MORPHOLINE FOR PH CONTROL AND HYDRAZINE FOR OXYGEN CONTROL?

5. REQUEST IDENTIFICATION OF CORROSION INHIBITOR USED IN
SECONDARY COOLANT SYSTEM SINCE RESTART OF UNIT 1.

6. REQUEST PRINCIPLE RESULTS OF ANY STEAM GENERATOR INSPECTIONS
PERFORMED SINCE RESTART OF UNIT 1 WITH REFITTED STEAM GENERATORS.
THE MOST RECENT STEAM GENERATOR INSPECTION RESULTS RELATED
TO STEAM GENERATOR SECONDARY COOLANT SIDE CORROSION ARE OF
PRIMARY INTEREST.

7. IF RETUBING INVOLVED MORE THAN REPLACEMENT OF CORROSION
AFFECTED TUBES WAS ORIGINAL INCONEL 600 TUBING REPLACED WITH
INCONEL 800 TUBING.

8. NRC HAS CONSIDERABLE INFORMATION RELATED TO THE ABOVE AND
WOULD WELCOME TECHNICAL INFORMATION EXCHANGE DISCUSSIONS AS AN
AGENDA ITEM DURING THE ANNUAL USNRC-JAEB-ANDRE AGREEMENT MEETING.

9. NRC REQUESTED A REPORT ON THE MIHAMA STEAM GENERATORS THROUGH
MR. KENICHI MURAKAMI, JAPANESE EMBASSY WASHINGTON, SOME MONTHS
AGO. MURAKAMI HAS BEEN UNABLE TO OBTAIN THIS INFORMATION.
PLEASE SUPPLY APPROACH JAEB (OR OTHER POSSIBLE SOURCES MATTER-
OF-FACTLY. YOU NEED NOT MENTION EARLIER REQUESTS. INGERSOLL

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<< END OF DOCUMENT >>

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Margaret P. Grafeld
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